



SEQUENCE LISTING

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Sheppard, Paul O.
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<120> Peptide and Polypeptide Inhibitors of
Complement C1s

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<213> Haementaria ghilianii

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<400> 56
 Gly Ser Asp Gly Phe Lys Ser Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Ser Glu Ala Phe Ser Thr Cys Asn Thr
 20 25 30

<210> 57
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 57
 Gly Cys Asp Gly Phe Lys Ser Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Cys Glu Ala Phe Cys Thr Cys Asn Thr
 20 25 30

<210> 58
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 58
 Gly Cys Asp Gly Phe Lys Cys Arg Leu Gly Ser Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Cys Glu Ala Phe Cys Thr Cys Asn Thr
 20 25 30

<210> 59
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 59
 Gly Cys Asp Gly Phe Lys Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Cys Glu Ala Phe Ser Thr Cys Asn Thr
 20 25 30

<210> 60
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 60
 Gly Cys Asp Gly Phe Lys Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Cys Glu Ala Phe Cys Thr Ser Asn Thr
 20 25 30

<210> 61
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 61
 Gly Cys Asp Gly Phe Lys Ser Arg Leu Gly Ser Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Cys Glu Ala Phe Cys Thr Cys Asn Thr
 20 25 30

<210> 62
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>

<223> C1s catalytic site-directed moiety

<400> 62

Gly	Cys	Asp	Gly	Phe	Lys	Ser	Arg	Leu	Gly	Cys	Thr	Tyr	Gly	Phe	Lys
1				5					10					15	
Thr	Asp	Lys	Lys	Gly	Cys	Glu	Ala	Phe	Ser	Thr	Cys	Asn	Thr		
			20					25					30		

<210> 63

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> C1s catalytic site-directed moiety

<400> 63

Gly	Cys	Asp	Gly	Phe	Lys	Ser	Arg	Leu	Gly	Cys	Thr	Tyr	Gly	Phe	Lys
1				5					10					15	
Thr	Asp	Lys	Lys	Gly	Cys	Glu	Ala	Phe	Cys	Thr	Ser	Asn	Thr		
			20					25					30		

<210> 64

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> C1s catalytic site-directed moiety

<400> 64

Gly	Cys	Asp	Gly	Phe	Lys	Cys	Arg	Leu	Gly	Ser	Thr	Tyr	Gly	Phe	Lys
1				5					10					15	
Thr	Asp	Lys	Lys	Gly	Cys	Glu	Ala	Phe	Ser	Thr	Cys	Asn	Thr		
			20					25					30		

<210> 65

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> C1s catalytic site-directed moiety

<400> 65

Gly	Cys	Asp	Gly	Phe	Lys	Cys	Arg	Leu	Gly	Ser	Thr	Tyr	Gly	Phe	Lys
1				5					10					15	
Thr	Asp	Lys	Lys	Gly	Cys	Glu	Ala	Phe	Cys	Thr	Ser	Asn	Thr		
			20					25					30		

<210> 66

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> C1s catalytic site-directed moiety

<400> 66

Gly	Cys	Asp	Gly	Phe	Lys	Cys	Arg	Leu	Gly	Cys	Thr	Tyr	Gly	Phe	Lys
1				5					10					15	

Thr Asp Lys Lys Gly Cys Glu Ala Phe Ser Thr Ser Asn Thr
 20 25 30

<210> 67
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 67
 Gly Cys Asp Gly Phe Lys Ser Arg Leu Gly Ser Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Cys Glu Ala Phe Ser Thr Cys Asn Thr
 20 25 30

<210> 68
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 68
 Gly Cys Asp Gly Phe Lys Ser Arg Leu Gly Ser Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Cys Glu Ala Phe Cys Thr Ser Asn Thr
 20 25 30

<210> 69
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 69
 Gly Cys Asp Gly Phe Lys Cys Arg Leu Gly Ser Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Cys Glu Ala Phe Ser Thr Ser Asn Thr
 20 25 30

<210> 70
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 70
 Gly Cys Asp Gly Phe Lys Ser Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Cys Glu Ala Phe Ser Thr Ser Asn Thr
 20 25 30

<210> 71
 <211> 30

<212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 71
 Gly Ser Asp Gly Phe Lys Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Cys Glu Ala Phe Cys Thr Cys Asn Thr
 20 25 30

<210> 72
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 72
 Gly Cys Asp Gly Phe Lys Cys Arg Leu Gly Ser Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Cys Glu Ala Phe Cys Thr Cys Asn Thr
 20 25 30

<210> 73
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 73
 Gly Cys Asp Gly Phe Lys Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Ser Glu Ala Phe Cys Thr Cys Asn Thr
 20 25 30

<210> 74
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 74
 Gly Cys Asp Gly Phe Lys Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Cys Glu Ala Phe Cys Thr Ser Asn Thr
 20 25 30

<210> 75
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 75
 Gly Ser Asp Gly Phe Lys Cys Arg Leu Gly Ser Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Cys Glu Ala Phe Cys Thr Cys Asn Thr
 20 25 30

<210> 76
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 76
 Gly Ser Asp Gly Phe Lys Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Ser Glu Ala Phe Cys Thr Cys Asn Thr
 20 25 30

<210> 77
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 77
 Gly Ser Asp Gly Phe Lys Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Cys Glu Ala Phe Cys Thr Ser Asn Thr
 20 25 30

<210> 78
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 78
 Gly Cys Asp Gly Phe Lys Cys Arg Leu Gly Ser Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Ser Glu Ala Phe Cys Thr Cys Asn Thr
 20 25 30

<210> 79
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 79
 Gly Cys Asp Gly Phe Lys Cys Arg Leu Gly Ser Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Cys Glu Ala Phe Cys Thr Ser Asn Thr
 20 25 30

<210> 80
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 80
 Gly Cys Asp Gly Phe Lys Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Ser Glu Ala Phe Cys Thr Ser Asn Thr
 20 25 30

<210> 81
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 81
 Gly Ser Asp Gly Phe Lys Cys Arg Leu Gly Ser Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Ser Glu Ala Phe Cys Thr Cys Asn Thr
 20 25 30

<210> 82
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 82
 Gly Ser Asp Gly Phe Lys Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Ser Glu Ala Phe Cys Thr Ser Asn Thr
 20 25 30

<210> 83
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 83
 Gly Cys Asp Gly Phe Lys Cys Arg Leu Gly Ser Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Ser Glu Ala Phe Cys Thr Ser Asn Thr
 20 25 30

<210> 84
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>

<223> C1s catalytic site-directed moiety

<400> 84

Gly	Ser	Asp	Gly	Phe	Lys	Cys	Arg	Leu	Gly	Ser	Thr	Tyr	Gly	Phe	Lys
1				5					10					15	
Thr	Asp	Lys	Lys	Gly	Cys	Glu	Ala	Phe	Cys	Thr	Ser	Asn	Thr		
			20					25					30		

<210> 85

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> C1s catalytic site-directed moiety

<400> 85

Gly	Ser	Asp	Gly	Phe	Lys	Cys	Arg	Leu	Gly	Cys	Thr	Tyr	Gly	Phe	Lys
1				5					10					15	
Thr	Asp	Lys	Lys	Gly	Cys	Glu	Ala	Phe	Cys	Thr	Cys	Asn	Thr		
			20					25					30		

<210> 86

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> C1s catalytic site-directed moiety

<400> 86

Gly	Cys	Asp	Gly	Phe	Lys	Ser	Arg	Leu	Gly	Cys	Thr	Tyr	Gly	Phe	Lys
1				5					10					15	
Thr	Asp	Lys	Lys	Gly	Cys	Glu	Ala	Phe	Cys	Thr	Cys	Asn	Thr		
			20					25					30		

<210> 87

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> C1s catalytic site-directed moiety

<400> 87

Gly	Cys	Asp	Gly	Phe	Lys	Cys	Arg	Leu	Gly	Cys	Thr	Tyr	Gly	Phe	Lys
1				5					10					15	
Thr	Asp	Lys	Lys	Gly	Ser	Glu	Ala	Phe	Cys	Thr	Cys	Asn	Thr		
			20					25					30		

<210> 88

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> C1s catalytic site-directed moiety

<400> 88

Gly	Cys	Asp	Gly	Phe	Lys	Cys	Arg	Leu	Gly	Cys	Thr	Tyr	Gly	Phe	Lys
1				5					10					15	

Thr Asp Lys Lys Gly Cys Glu Ala Phe Ser Thr Cys Asn Thr
 20 25 30

<210> 89
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 89
 Gly Ser Asp Gly Phe Lys Ser Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Cys Glu Ala Phe Cys Thr Cys Asn Thr
 20 25 30

<210> 90
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 90
 Gly Ser Asp Gly Phe Lys Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Ser Glu Ala Phe Cys Thr Cys Asn Thr
 20 25 30

<210> 91
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 91
 Gly Ser Asp Gly Phe Lys Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Cys Glu Ala Phe Ser Thr Cys Asn Thr
 20 25 30

<210> 92
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 92
 Gly Cys Asp Gly Phe Lys Ser Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Ser Glu Ala Phe Cys Thr Cys Asn Thr
 20 25 30

<210> 93
 <211> 30

<212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 93
 Gly Cys Asp Gly Phe Lys Ser Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Cys Glu Ala Phe Ser Thr Cys Asn Thr
 20 25 30

<210> 94
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 94
 Gly Cys Asp Gly Phe Lys Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Ser Glu Ala Phe Ser Thr Cys Asn Thr
 20 25 30

<210> 95
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 95
 Gly Ser Asp Gly Phe Lys Ser Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Ser Glu Ala Phe Cys Thr Cys Asn Thr
 20 25 30

<210> 96
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 96
 Gly Ser Asp Gly Phe Lys Ser Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Cys Glu Ala Phe Ser Thr Cys Asn Thr
 20 25 30

<210> 97
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 97
 Gly Cys Asp Gly Phe Lys Ser Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Ser Glu Ala Phe Ser Thr Cys Asn Thr
 20 25 30

<210> 98
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 98
 Gly Ser Asp Gly Phe Lys Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10 15
 Thr Asp Lys Lys Gly Ser Glu Ala Phe Ser Thr Cys Asn Thr
 20 25 30

<210> 99
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 99
 Cys Arg Leu Gly Cys Thr
 1 5

<210> 100
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 100
 Cys Arg Leu Gly Cys Thr Tyr
 1 5

<210> 101
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 101
 Cys Arg Leu Gly Cys Thr Tyr Gly
 1 5

<210> 102
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 102
 Cys Arg Leu Gly Cys Thr Tyr Gly Phe
 1 5

<210> 103
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 103
 Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys
 1 5 10

<210> 104
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 104
 Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys Thr
 1 5 10

<210> 105
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 105
 Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys Thr Asp
 1 5 10

<210> 106
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 106
 Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys Thr Asp Lys
 1 5 10

<210> 107
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>

<223> C1s catalytic site-directed moiety

<400> 107

Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys Thr Asp Lys Lys
1 5 10

<210> 108

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> C1s catalytic site-directed moiety

<400> 108

Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys Thr Asp Lys Lys Gly
1 5 10 15

<210> 109

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> C1s catalytic site-directed moiety

<400> 109

Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys Thr Asp Lys Lys Gly Cys
1 5 10 15

<210> 110

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> C1s catalytic site-directed moiety

<400> 110

Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys Thr Asp Lys Lys Gly Cys
1 5 10 15
Glu

<210> 111

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> C1s catalytic site-directed moiety

<400> 111

Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys Thr Asp Lys Lys Gly Cys
1 5 10 15
Glu Ala

<210> 112

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> C1s catalytic site-directed moiety

<400> 112

Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys Thr Asp Lys Lys Gly Cys
 1 5 10 15
 Glu Ala Phe

<210> 113

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> C1s catalytic site-directed moiety

<400> 113

Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys Thr Asp Lys Lys Gly Cys
 1 5 10 15
 Glu Ala Phe Cys
 20

<210> 114

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> C1s catalytic site-directed moiety

<400> 114

Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys Thr Asp Lys Lys Gly Cys
 1 5 10 15
 Glu Ala Phe Cys Thr
 20

<210> 115

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> C1s catalytic site-directed moiety

<400> 115

Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys Thr Asp Lys Lys Gly Cys
 1 5 10 15
 Glu Ala Phe Cys Thr Cys
 20

<210> 116

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> C1s catalytic site-directed moiety

<400> 116

Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys Thr Asp Lys Lys Gly Cys
 1 5 10 15
 Glu Ala Phe Cys Thr Cys Asn
 20

<210> 117
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 117
 Leu Gln Arg Ala Leu Glu
 1 5

<210> 118
 <211> 24
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 118
 Leu Gln Arg Ala Leu Glu Ile Leu Pro Asn Arg Val Thr Ile Lys Ala
 1 5 10 15
 Asn Arg Pro Phe Leu Val Phe Ile
 20

<210> 119
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s exosite binding moiety

<400> 119
 Asn Glu Asp Tyr Glu Asp Tyr Glu Tyr Asp
 1 5 10

<210> 120
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Polypeptide linker

<400> 120
 Lys Glu Thr Ala Cys Val Asn Ile Trp Cys Thr Asp Pro Tyr Lys Cys
 1 5 10 15
 Asn Pro Glu Ser Gly Arg Cys
 20

<210> 121
 <211> 29
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> C1s catalytic site-directed moiety

<400> 121
 Cys Asp Gly Phe Lys Cys Arg Leu Gly Cys Thr Tyr Gly Phe Lys Thr
 1 5 10 15
 Asp Lys Lys Gly Cys Glu Ala Phe Cys Thr Cys Asn Thr
 20 25

<210> 122
 <211> 4
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Peptide linker

<221> VARIANT
 <222> (3)...(3)
 <223> Xaa = E or D

<221> VARIANT
 <222> (4)...(4)
 <223> Xaa = E or D

<400> 122
 Ala Leu Xaa Xaa
 1

<210> 123
 <211> 25
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Polypeptide linker

<400> 123
 Lys Glu Thr Ala Cys Val Asn Ile Trp Cys Thr Asp Pro Tyr Lys Cys
 1 5 10 15
 Asn Pro Glu Ser Gly Arg Cys Glu Asp
 20 25

<210> 124
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Peptide linker

<221> VARIANT
 <222> (3)...(3)
 <223> Xaa = E or D

<221> VARIANT
 <222> (4)...(4)
 <223> Xaa = E or D

<400> 124

Ala Leu Xaa Xaa Cys
1 5

<210> 125
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Complement C1s inhibitor

<400> 125
Pro Asn Glu Glu Tyr Glu Tyr Glu Tyr Glu
1 5 10

<210> 126
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Formula of a complement C1s inhibitor

<221> VARIANT
<222> (1)...(1)
<223> Xaa = A or P

<221> VARIANT
<222> (3)...(3)
<223> Xaa = D or E

<221> VARIANT
<222> (4)...(4)
<223> Xaa = D or E

<221> MUTAGEN
<222> (5)...(5)
<223> Xaa = Phe-(p-CH₂)SO₃H or sulfated tyrosine or
2-sulfotyrosine

<221> VARIANT
<222> (6)...(6)
<223> Xaa = D or E

<221> VARIANT
<222> (7)...(7)
<223> Xaa = D or E or is absent

<221> MUTAGEN
<222> (8)...(8)
<223> Xaa = Phe-(p-CH₂)SO₃H or sulfated tyrosine or
2-sulfotyrosine

<221> VARIANT
<222> (9)...(9)
<223> Xaa = D or E

<221> MUTAGEN
<222> (10)...(10)
<223> Xaa = Phe-(p-CH₂)SO₃H or sulfated tyrosine or
2-sulfotyrosine

<221> VARIANT
<222> (11)...(11)

<223> Xaa = D or E

<221> VARIANT

<222> (12)...(12)

<223> Xaa = D or E or is absent

<400> 126

Xaa Asn Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10

<210> 127

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Complement C1s inhibitor

<221> VARIANT

<222> (3)...(3)

<223> Xaa = D or E

<221> VARIANT

<222> (4)...(4)

<223> Xaa = D or E

<221> MUTAGEN

<222> (5)...(5)

<223> Xaa = Y or Phe-(p-CH₂)SO₃H or sulfated tyrosine or 2-sulfotyrosine

<221> VARIANT

<222> (6)...(6)

<223> Xaa = D or E

<221> VARIANT

<222> (7)...(7)

<223> Xaa = D or E or is absent

<221> MUTAGEN

<222> (8)...(8)

<223> Xaa = Y or Phe-(p-CH₂)SO₃H or sulfated tyrosine or 2-sulfotyrosine

<221> VARIANT

<222> (9)...(9)

<223> Xaa = D or E

<221> MUTAGEN

<222> (10)...(10)

<223> Xaa = Y or Phe-(p-CH₂)SO₃H or sulfated tyrosine or 2-sulfotyrosine

<221> VARIANT

<222> (11)...(11)

<223> Xaa = D or E

<221> VARIANT

<222> (12)...(12)

<223> Xaa = D or E or is absent

<400> 127

Pro Asn Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10

<210> 128
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Formula of a C1s exosite binding moiety

<221> VARIANT
 <222> (3)...(3)
 <223> Xaa = D or E

<221> VARIANT
 <222> (4)...(4)
 <223> Xaa = D or E

<221> MUTAGEN
 <222> (5)...(5)
 <223> Xaa = Y or Phe-(p-CH₂)SO₃H or sulfated tyrosine or 2-sulfotyrosine

<221> VARIANT
 <222> (6)...(6)
 <223> Xaa = D or E

<221> VARIANT
 <222> (7)...(7)
 <223> Xaa = D or E or is absent

<221> MUTAGEN
 <222> (8)...(8)
 <223> Xaa = Y or Phe-(p-CH₂)SO₃H or sulfated tyrosine or 2-sulfotyrosine

<221> VARIANT
 <222> (9)...(9)
 <223> Xaa = D or E

<221> MUTAGEN
 <222> (10)...(10)
 <223> Xaa = Y or Phe-(p-CH₂)SO₃H or sulfated tyrosine or 2-sulfotyrosine

<221> VARIANT
 <222> (11)...(11)
 <223> Xaa = D or E

<221> VARIANT
 <222> (12)...(12)
 <223> Xaa = D or E or is absent

<400> 128
 Ala Asn Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1 5 10

<210> 129
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Formula of a complement C1s inhibitor

<221> VARIANT

<222> (3)...(3)
 <223> Xaa = D or E

 <221> VARIANT
 <222> (4)...(4)
 <223> Xaa = D or E

 <221> MUTAGEN
 <222> (5)...(5)
 <223> Xaa = Y or Phe-(p-CH₂)SO₃H or sulfated tyrosine or 2-sulfotyrosine

 <221> VARIANT
 <222> (6)...(6)
 <223> Xaa = D or E

 <221> VARIANT
 <222> (7)...(7)
 <223> Xaa = D or E or is absent

 <221> MUTAGEN
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 <223> Xaa = Y or Phe-(p-CH₂)SO₃H or sulfated tyrosine or 2-sulfotyrosine

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 <223> Xaa = D or E

 <221> MUTAGEN
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 <223> Xaa = Y or Phe-(p-CH₂)SO₃H or sulfated tyrosine or 2-sulfotyrosine

 <221> VARIANT
 <222> (11)...(11)
 <223> Xaa = D or E

 <400> 129
 Pro Asn Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1 5 10

 <210> 130
 <211> 10
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Formula of a complement C1s inhibitor.

 <221> MUTAGEN
 <222> (5)...(5)
 <223> Xaa = Y or Phe-(p-CH₂)SO₃H or sulfated tyrosine or 2-sulfotyrosine

 <221> MUTAGEN
 <222> (7)...(7)
 <223> Xaa = Y or Phe-(p-CH₂)SO₃H or sulfated tyrosine or 2-sulfotyrosine

 <221> MUTAGEN
 <222> (9)...(9)
 <223> Xaa = Y or Phe-(p-CH₂)SO₃H or sulfated tyrosine or 2-sulfotyrosine

<400> 130
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 1 5 10

<210> 131
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Peptide inker

<221> VARIANT
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 <223> Xaa = D or E

<221> VARIANT
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 <223> Xaa = D or E

<221> VARIANT
 <222> (5)...(5)
 <223> Xaa = G, S, or T

<221> VARIANT
 <222> (6)...(6)
 <223> Xaa = G, S, or T, or is absent

<221> VARIANT
 <222> (7)...(7)
 <223> Xaa = G, S, or T, or is absent

<400> 131
 Ala Leu Xaa Xaa Xaa Xaa Xaa
 1 5

<210> 132
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
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<221> VARIANT
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 <223> Xaa = G, S, or T

<221> VARIANT
 <222> (4)...(4)
 <223> Xaa = G, S, or T, or is absent

<221> VARIANT
 <222> (5)...(5)
 <223> Xaa = G, S, or T, or is absent

<221> VARIANT
 <222> (6)...(6)
 <223> Xaa = D or E

<221> VARIANT
 <222> (7)...(7)
 <223> Xaa = D or E

<400> 132
 Ala Leu Xaa Xaa Xaa Xaa
 1 5

<210> 133
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<220>
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<221> VARIANT
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 <223> Xaa = G, S, or T

<221> VARIANT
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<221> VARIANT
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 <223> Xaa = G, S, or T

<221> VARIANT
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 <223> Xaa = G, S, or T

<221> VARIANT
 <222> (5)...(5)
 <223> Xaa = G, S, or T, or is absent

<221> VARIANT
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 <223> Xaa = G, S, or T, or is absent

<221> VARIANT
 <222> (7)...(7)
 <223> Xaa = G, S, or T, or is absent

<400> 133
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 1 5

<210> 134
 <211> 7
 <212> PRT
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<220>
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<221> VARIANT
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 <223> Xaa = G, S, or T

<221> VARIANT
 <222> (2)...(2)
 <223> Xaa = G, S, or T

<221> VARIANT
 <222> (3)...(3)
 <223> Xaa = G, S, or T, or is absent

<221> VARIANT
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 <223> Xaa = G, S, or T, or is absent

<221> VARIANT
 <222> (5)...(5)
 <223> Xaa = G, S, or T, or is absent

<221> VARIANT
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 <223> Xaa = D or E

<221> VARIANT
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 <223> Xaa = D or E

<400> 134
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1 5

<210> 135
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
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<221> VARIANT
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 <223> Xaa = G, S, or T

<221> VARIANT
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 <223> Xaa = G, S, or T

<221> VARIANT
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 <223> Xaa = G, S, or T

<221> VARIANT
 <222> (4)...(4)
 <223> Xaa = G, S, or T

<221> VARIANT
 <222> (5)...(5)
 <223> Xaa = G, S, or T

<221> VARIANT
 <222> (6)...(6)
 <223> Xaa = G, S, or T, or is absent

<221> VARIANT
 <222> (7)...(7)
 <223> Xaa = G, S, or T, or is absent

<400> 135
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 1 5

<210> 136
 <211> 7
 <212> PRT

<213> Artificial Sequence

<220>

<223> Peptide inker

<221> VARIANT

<222> (3)...(3)

<223> Xaa = D or E

<221> VARIANT

<222> (4)...(4)

<223> Xaa = D or E

<221> VARIANT

<222> (5)...(5)

<223> Xaa = G, S, or T

<221> VARIANT

<222> (6)...(6)

<223> Xaa = G, S, or T, or is absent

<400> 136

Ala Leu Xaa Xaa Xaa Xaa Cys
1 5

<210> 137

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide inker

<221> VARIANT

<222> (1)...(1)

<223> Xaa = G, S, or T

<221> VARIANT

<222> (2)...(2)

<223> Xaa = G, S, or T

<221> VARIANT

<222> (3)...(3)

<223> Xaa = G, S, or T

<221> VARIANT

<222> (4)...(4)

<223> Xaa = G, S, or T, or is absent

<221> VARIANT

<222> (5)...(5)

<223> Xaa = G, S, or T, or is absent

<221> VARIANT

<222> (6)...(6)

<223> Xaa = G, S, or T, or is absent

<400> 137

Xaa Xaa Xaa Xaa Xaa Xaa Cys
1 5

<210> 138

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide inker

<221> VARIANT

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<223> Xaa = G, S, or T

<221> VARIANT

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<223> Xaa = G, S, or T, or is absent

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<223> Xaa = G, S, or T, or is absent

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<222> (4)...(4)

<223> Xaa = G, S, or T, or is absent

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<222> (5)...(5)

<223> Xaa = D or E

<221> VARIANT

<222> (6)...(6)

<223> Xaa = D or E

<400> 138

Xaa Xaa Xaa Xaa Xaa Xaa Cys
1 5

<210> 139

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide inker

<221> VARIANT

<222> (3)...(3)

<223> Xaa = G, S, or T

<221> VARIANT

<222> (4)...(4)

<223> Xaa = G, S, or T, or is absent

<221> VARIANT

<222> (5)...(5)

<223> Xaa = D or E

<221> VARIANT

<222> (6)...(6)

<223> Xaa = D or E

<400> 139

Ala Leu Xaa Xaa Xaa Xaa Cys
1 5

<210> 140

<211> 17

<212> PRT

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Arg